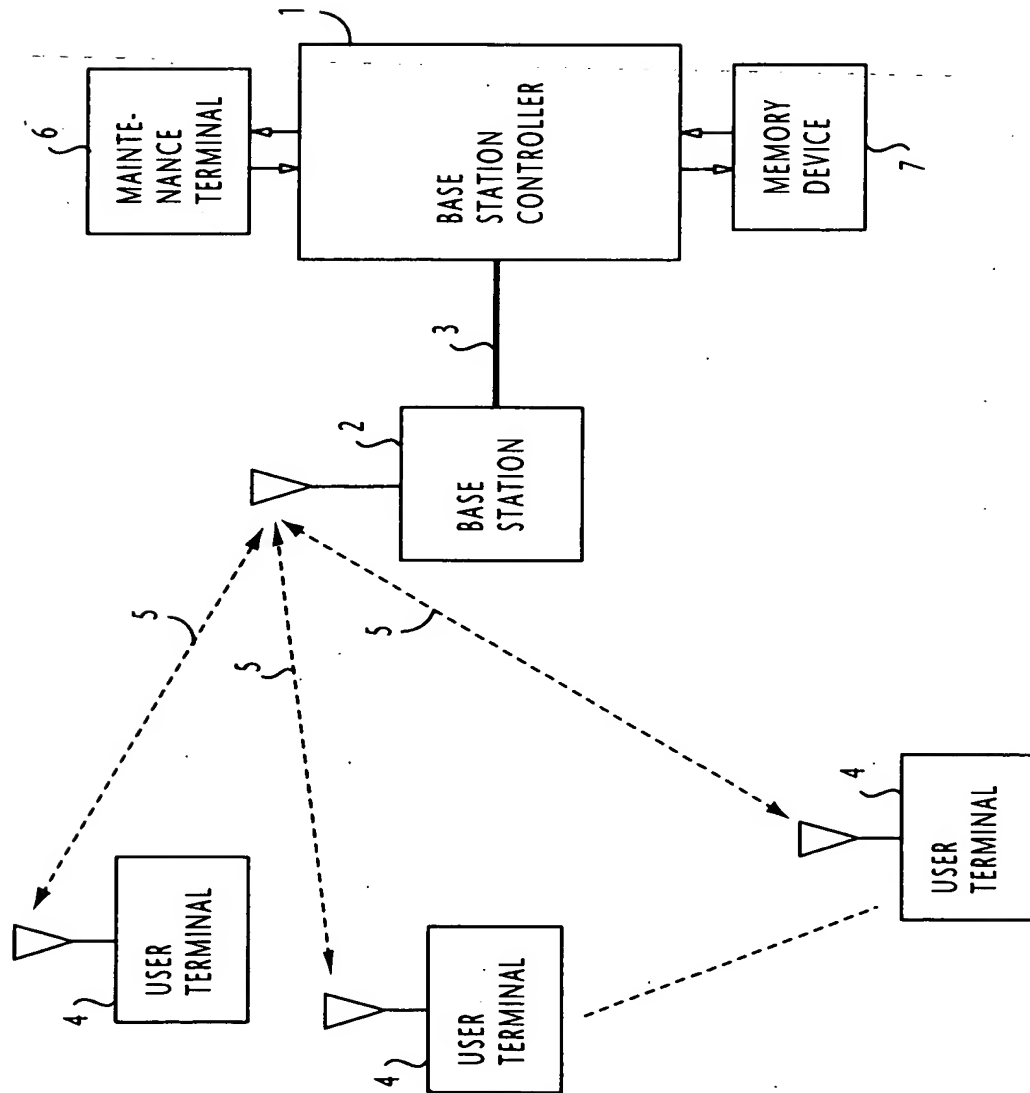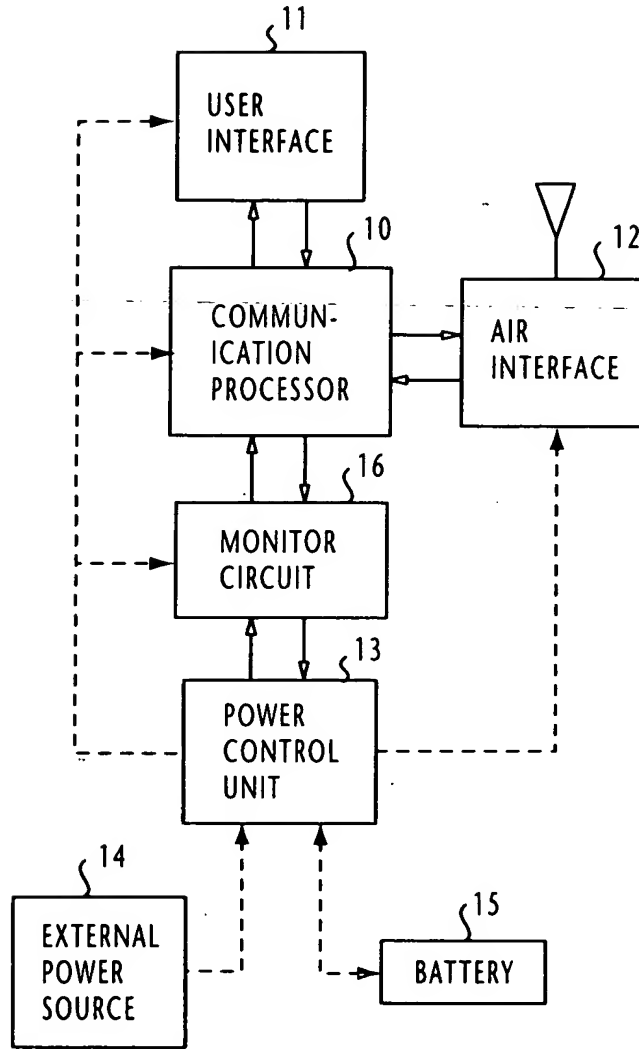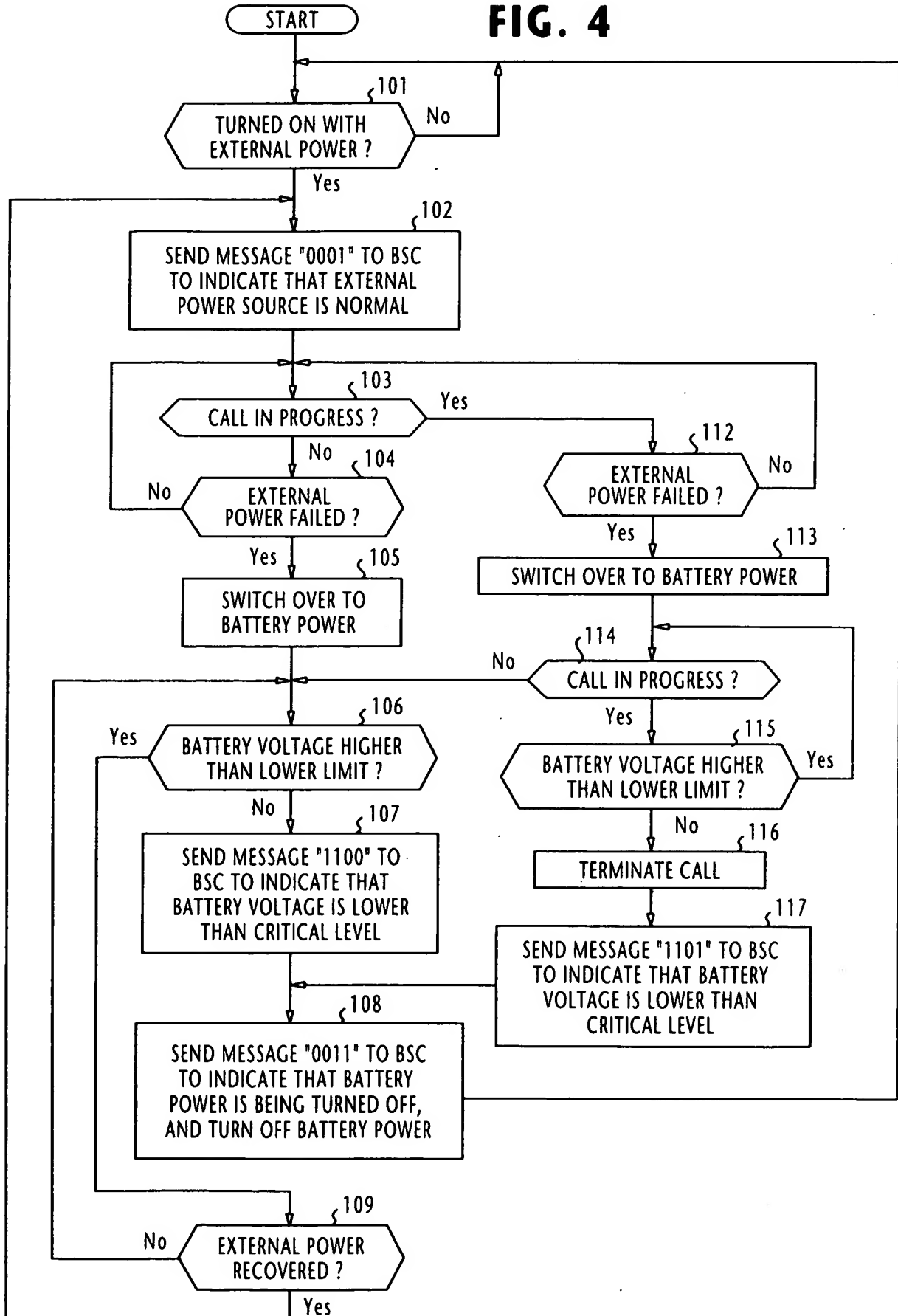# FIG. 1

# FIG. 2



# FIG. 3

| MESSAGE LENGTH (8 BITS) | MESSAGE TYPE (8 BITS) | REGISTRATION TYPE (4 BITS) | RESERVED (4 BITS) | CRC FIELD (30 BITS) |
|---|---|---|---|---|

# FIG. 4

START

101 — TURNED ON WITH EXTERNAL POWER ?  — No

Yes

102 — SEND MESSAGE "0001" TO BSC TO INDICATE THAT EXTERNAL POWER SOURCE IS NORMAL

103 — CALL IN PROGRESS ?  — Yes

No

104 — EXTERNAL POWER FAILED ?  — No

Yes

105 — SWITCH OVER TO BATTERY POWER

112 — EXTERNAL POWER FAILED ?  — No

Yes

113 — SWITCH OVER TO BATTERY POWER

114 — CALL IN PROGRESS ?  — No

Yes

106 — BATTERY VOLTAGE HIGHER THAN LOWER LIMIT ?  — Yes

No

107 — SEND MESSAGE "1100" TO BSC TO INDICATE THAT BATTERY VOLTAGE IS LOWER THAN CRITICAL LEVEL

115 — BATTERY VOLTAGE HIGHER THAN LOWER LIMIT ?  — Yes

No

116 — TERMINATE CALL

117 — SEND MESSAGE "1101" TO BSC TO INDICATE THAT BATTERY VOLTAGE IS LOWER THAN CRITICAL LEVEL

108 — SEND MESSAGE "0011" TO BSC TO INDICATE THAT BATTERY POWER IS BEING TURNED OFF, AND TURN OFF BATTERY POWER

109 — EXTERNAL POWER RECOVERED ?  — No

Yes